

Windows®. Life without Walls™.  
Fujitsu recommends Windows 7.

# Data Sheet

## Fujitsu CELSIUS W380 Workstation

Welcome to a world of power

### CELSIUS W380

The CELSIUS W380 is the versatile all-round workstation for entry-level graphics applications. Powered by the latest Intel® processors, it is the ideal choice business environments such as entry-level CAD, digital content creation and finance. Thanks to the ISV certification process you can be guaranteed that your preferred professional applications will run with maximum speed and system stability.

#### Extremely powerful workstations

Get more done in less time

- The fastest available processors, graphics cards and hard disk drives

#### Noise-reduced system

Silent working environment

- Optimized thermal management, low-noise chassis and silent fans

#### Serviceability

Minimum downtime in the event of system failure

- Service-friendly system design

#### Leading workstation application certification

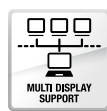
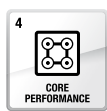
Maximum compatibility and performance with customer-preferred applications

- Full support for ISV applications and easy integration into existing IT environments

#### Built to order

Free configurability for all product lines

- Customer is given a system optimized for his requirements



# Components

<b>Processor</b>	Intel® Core™ i5-680 processor (2 Cores / 4 Threads, 3.6 GHz, 4 MB, Intel® HD Graphics)
	Intel® Core™ i5-660 processor (2 Cores / 4 Threads, 3.33 GHz, 4 MB, Intel® HD Graphics)
	Intel® Core™ i5-650 processor (2 Cores / 4 Threads, 3.20 GHz, 4 MB, Intel® HD Graphics)
	Intel® Core™ i3-550 processor (2 Cores / 4 Threads, 3.20 GHz, 4 MB, Intel® HD Graphics)
	Intel® Core™ i3-540 processor (2 Cores / 4 Threads, 3.06 GHz, 4 MB, Intel® HD Graphics)
	Intel® Xeon® processor X3480 (4C/8T, 3.06 GHz, 8 MB)
	Intel® Xeon® processor X3470 (4C/8T, 2.93 GHz, 8 MB)
	Intel® Xeon® processor X3450 (4C/8T, 2.66 GHz, 8 MB)
	Intel® Xeon® processor X3440 (4C/8T, 2.53 GHz, 8 MB)
	Intel® Xeon® processor X3430 (4C/4T, 2.40 GHz, 8 MB)
	Intel® Pentium® processor G6950 (2 Cores / 2 Threads, 2.80 GHz, 3 MB, Intel® HD Graphics)
	Intel® Celeron® processor Celeron G1101 (2C/4T, 2.26 GHz, 2 MB, Intel® HD Graphics)
<b>Operating system</b>	
<b>Operating system optional preinstalled</b>	Genuine Windows® 7 Professional 64-bit
	Genuine Windows® 7 Professional 32-bit
	Genuine Windows® 7 Home Premium 64-bit
<b>Operating system compatible</b>	Genuine Windows Vista® Business 64-bit
	Genuine Windows Vista® Business 32-bit
	Genuine Windows® XP Professional x64 Edition
	Genuine Windows® XP Professional
	Linux
<b>Operating system notes</b>	Red Hat® certification pending
	Novell® certification pending
For some configurations third party drivers are currently not available or configuration restrictions may apply.	
<b>Memory modules</b>	2 GB (1 module(s) 2 GB) DDR3, unbuffered, ECC, 1333 MHz, PC3-10600, DIMM
	2 GB (1 module(s) 2 GB) DDR3, unbuffered, non-ECC, 1333 MHz, PC3-10600, DIMM
	4 GB (1 module(s) 4 GB) DDR3, unbuffered, ECC, 1333 MHz, PC3-10600, DIMM
	4 GB (1 module(s) 4 GB) DDR3, unbuffered, non-ECC, 1333 MHz, PC3-10600, DIMM
<b>Graphics add on cards (optional)</b>	Midrange 3D: ATI FirePro™ V5800, 1 GB, PCIe x16, DL-DVI-I, 2x DP
	Midrange 3D: NVIDIA® Quadro® 2000, 1 GB, PCIe x16, DL-DVI-I, 2x DP
	Midrange 3D: NVIDIA® Quadro® FX 1800, 768 MB, PCIe x16, DL-DVI-I, 2x DP
	Entry 3D: ATI FirePro™ V4800, 1 GB, PCIe x16, DL-DVI-I, 2x DP
	Entry 3D: NVIDIA® Quadro® 600, 1 GB, PCIe x16, DL-DVI-I, DP
	Entry 3D: NVIDIA® Quadro® FX 580, 512 MB, PCIe x16, DL-DVI-I, 2x DP
	Entry 3D: ATI FirePro™ V3800, 512 MB, PCIe x16, DL-DVI-I, DP
	Entry 3D: ATI FirePro™ V3700, 256 MB, PCIe x16, 2x DL-DVI-I
	Entry 3D: NVIDIA® Quadro® FX 380, 256 MB, PCIe x16, 2x DL-DVI-I
	Professional 2D: NVIDIA® Quadro® NVS 450, 512 MB, PCIe x16, 4 x DP
	Professional 2D: NVIDIA® Quadro® NVS 295, 256 MB, PCIe x16, 2x DP
	Professional 2D: NVIDIA® Quadro® NVS 290, 256 MB, PCIe x16, 2x SL DVI-I
	Remote Graphics: CELSIUS RemoteAccess Card, PCIe x1, 2x DVI-I

<b>Hard disk drives (internal)</b>	SSD SATA, 256 GB, 2.5-inch
	SSD SATA, 128 GB, 2.5-inch
	SATA III, 10000 rpm, 600 GB, 3.5-inch internal
	SATA II, 10000 rpm, 300 GB, 2.5-inch, S.M.A.R.T.
	SATA II, 10000 rpm, 150 GB, 2.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 2000 GB, 3.5-inch, S.M.A.R.T. business critical
	SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T. business critical
	SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. business critical
	SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 320 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 250 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 160 GB, 2.5-inch, S.M.A.R.T.
<b>Hard disk notes</b>	One Gigabyte equals one billion bytes, when referring to hard disk drive capacity. 2.5-inch drives will be mounted in the 3.5-inch bays
<b>Drives (optional)</b>	Blu-ray Disc™ Triple Writer
	DVD-ROM
	DVD Super Multi
	MultiCard Reader 20in1, USB 2.0, 3.5-Inch
	MultiCard Reader 20in1 USB 3.0 front con., 3.5-Inch
<b>Interface add on cards/components (optional)</b>	
	WLAN III, 802.11g/Draft-n (Windows only)
	USB 3.0 PCIe x1
	Parallel Interface
	Gigabit Ethernet PCIe x1
	eSATA Interface
	Dual serial card PCI
<b>Base unit</b>	CELSIUS W380
<b>Mainboard</b>	
<b>Mainboard type</b>	D2917
<b>Formfactor</b>	BTX
<b>Chipset</b>	Intel® 3450
<b>Processor socket</b>	LGA 1156
<b>Processor quantity maximum</b>	1
<b>Memory slots</b>	4 DIMM (DDR3) ECC/non-ECC
<b>Supported capacity RAM (max.)</b>	16 GB
<b>Memory frequency</b>	1333 MHz
<b>Memory notes</b>	In configurations with 4 GB and more the visible memory may be reduced to approximately 3.5 GB or less (for 32-bit operating systems) and configurations with 8 GB the visible memory may be reduced to approximately 7.5 GB or less (depending on system configuration).
<b>LAN</b>	Built-in 10/100/1000 MBit/s Intel® 82578 DM
<b>Integrated WLAN</b>	Optional (for Windows only)
<b>Audio codec</b>	Realtek ALC663
<b>Audio features</b>	5.1 surround sound, High Definition audio, Internal speaker supports audio playback
<b>I/O Controller</b>	
<b>Serial ATA total</b>	6
<b>thereof eSATA</b>	1, optional
<b>SATA RAID support</b>	0, 1, 10, 5

**Interfaces**

Audio: in (rear)	2
Audio: out (rear)	1
Front Audio: in	1
Front Audio: out	1
FireWire (IEEE1394) (rear)	1
Internal speakers	1
USB 2.0 total	13
USB front	2
USB rear	8
USB internal	2 + 1
VGA	1 (depends on processor)
DisplayPort	1 (depends on processor)
DVI	1 or 2, optional (depends on processor)
Serial (RS-232)	1, (9 pin)
Mouse / Keyboard (PS/2)	2
Ethernet (RJ-45)	1
Parallel	1, optional
eSATA	1, optional
Interface Module notes	Anytime USB charge functionality

**Drive bays**

Drive bays total	8
3.5-inch internal bays	4
3.5-inch external bays	2
5.25-inch external bays	2

**Slots**

PCI-Express 2.0 x16	1 x (312 mm) full height
PCI-Express 2.0 x4 (mech. x16)	1 x (190 mm) full height
PCI-Express x1	2 x (300 mm) full height
PCI (32-bit / 33 MHz)	3 x (312 mm)

**Graphics on board**

Shared video memory	up to 256 MB
Refresh rate 1024 x 768 (recommended / max.)	85 Hz
Refresh rate 1280 x 1024 (recommended / max.)	85 Hz
Refresh rate 1600 x 1200 (recommended / max.)	85 Hz
TFT resolution (VGA)	1360 x 768 pixel 1440 x 900 pixel 1680 x 1050 pixel 1920 x 1200 pixel
TFT resolution (DVI)	1360 x 768 pixel 1440 x 900 pixel 1680 x 1050 pixel 1920 x 1200 pixel
Graphics notes	Graphics controller integrated in dual-core processors. For quad-core processors graphics card is mandatory. Tested resolutions, depending on display type additional resolutions and frequencies possible Shared memory depending on main memory size For TFT we recommend using 60Hz

**Electrical values**

Rated voltage range	100 V - 240 V
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**Electrical values**

Rated frequency range	50 Hz - 60 Hz
Max. output of single power supply	300 W

**Noise for standard configuration (HDD, ODD, FDD)**

Noise emission	According to ISO9296 (LpAm at bystander position)
Idle mode	18 dB
Office mode	18 dB(A)
Noise notes / description	Actual noise emissions may vary depending on configuration

**Dimensions / Weight / Environmental**

Dimensions (W x D x H)	203 x 426 x 442 mm
Operating position	Vertical / horizontal
Weight	16 kg
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	15 - 35°C
Operating relative humidity	10 - 75 %

**Compliance**

Product	CELSIUS W380
Model	MTB-D2917
Germany	GS optional Blauer Engel / Blue Angel optional
Europe	CE
USA/Canada	FCC Class B cCSAus
Global	RoHS (EU & China) ENERGY STAR® 5.0 Medical EMC standard IEC60601-1-2 in combination with medical kit
Compliance notes	Energy Star compliance may vary depending on actual configuration
Compliance link	<a href="https://sp.ts.fujitsu.com/sites/certificates/default.aspx">https://sp.ts.fujitsu.com/sites/certificates/default.aspx</a>

**Security**

Physical security	Kensington Lock support Eye for padlock Seal option Intrusion switch Optional: Integrated cabinet lock
System security	Write protect option for the Flash EPROM Embedded security (TPM 1.2) Disable / Hide TPM option
User security	Hard disk password User and supervisor BIOS password Optional: Access protection via SmartCard reader Optional: SmartCase Logon+

**Additional Software**

Additional software (optional)	Drivers & Utilities DVD (DUDVD) Windows® 7 & Vista & XP Recovery DVD TwinLoad Windows® XP downgrade pack
Additional software (included as a CD/DVD)	Norton Internet Security (incl. Firewall)

**Manageability**

Manageability features	DeskUpdate Driver management
Manageability type	DeskView 10.x client management including:

**Manageability**

<b>DeskView features</b>	On/Offline remote client management Detailed system inventory management and reports BIOS Management Remote power management System notifications Security Remote Control DeskView Helpdesk Integration
<b>Supported standards</b>	WMI BootP (made4you) PXE
<b>Manageability link</b>	<a href="http://ts.fujitsu.com/solutions/it_infrastructure_solutions/manageability/featurefinder.html">http://ts.fujitsu.com/solutions/it_infrastructure_solutions/manageability/featurefinder.html</a>

**Input device / components**

	Optical USB tilt wheel mouse
<b>Input devices (optional)</b>	Optical USB/PS2 tilt wheel mouse Space Explorer USB Space Navigator USB Space Pilot USB Keyboard

**Warranty**

<b>Standard Warranty</b>	3 years (depending on country)
<b>Service level</b>	On-site Service (depending on country)
<b>Maintenance and Support Services - the perfect extension</b>	
<b>Recommended Service</b>	5x9, Response Time: Next Business Day
<b>Service Weblink</b>	<a href="http://ts.fujitsu.com/Supportservice">http://ts.fujitsu.com/Supportservice</a>

## More information

### Fujitsu platform solutions

In addition to Fujitsu CELSIUS W380, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

#### Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

#### Computing Products

[www.fujitsu.com/global/services/computing/](http://www.fujitsu.com/global/services/computing/)

#### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

### More information

Learn more about Fujitsu CELSIUS W380, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
<http://ts.fujitsu.com/celsius>

### Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at <http://www.fujitsu.com/global/about/environment/>



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